

GAS TURBINE ENGINE ELECTROMECHANICAL VARIABLE INLET GUIDE VANE ACTUATION SYSTEM

ABSTRACT OF THE DISCLOSURE

An electromechanical inlet guide vane actuation system includes one or more electric motor driven actuators that are used to appropriately position the inlet guide vanes in a gas turbine engine. The actuation system includes a control circuit that supplies guide vane actuation control signals in response to guide vane position command signals it receives. The guide vane actuation control signals are supplied to one or more electric motors, which position actuators, and thus the inlet guide vanes, to the commanded position.